

ABSTRACT

A technique for multidimensional NMR data collection is presented. The possible correlations in a proposed multi-dimensional experiment are inferred from the correlations found in a pair of high-resolution multi-dimensional faces of the multi-dimensional experiment. The possible correlations are then rejected or accepted based on a least squares fit to a severely truncated multi-dimensional experiment. The pair of high resolution faces used to develop the possible correlations are of a dimension one less than the translated multi-dimensional experiment. The technique is particularly useful on small heteronuclear labeled proteins.